

Figure 1

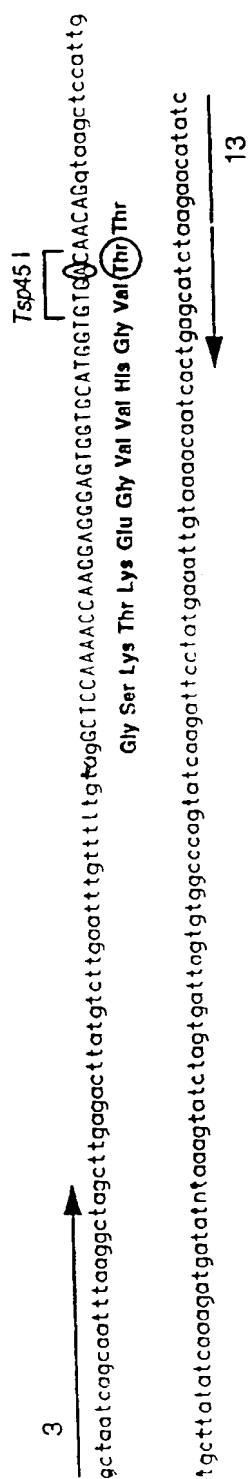


Figure 2

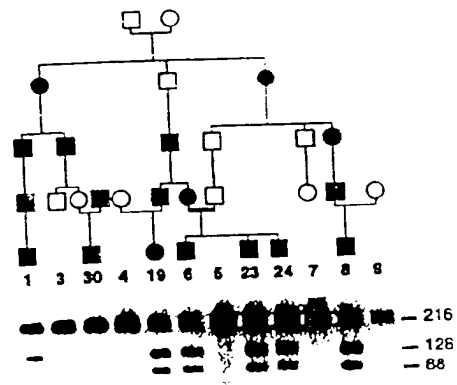


Figure 3

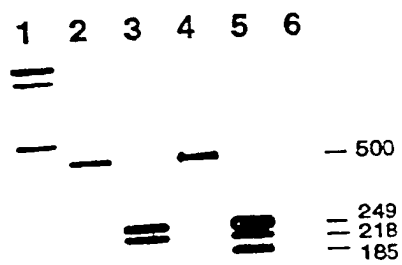
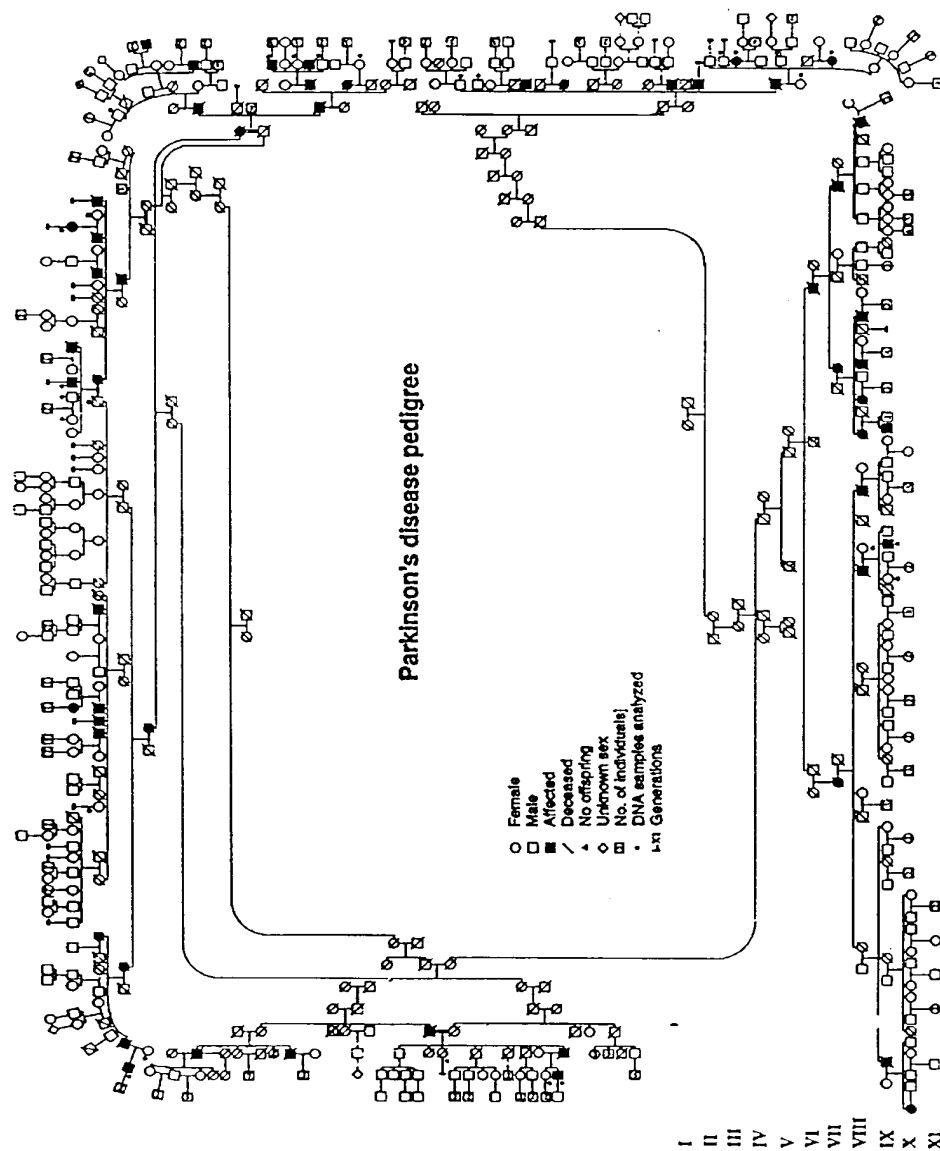


Figure 4

1	MDVFMKGLSKAKKEGVVAAAEKTKQGVAAEAAAGKTT	10	20	30		KEGVLY	Homo sapiens
1	MDVFMKGLSKAKKEGVVAAAEKTKQGVAAEAAAGKTT	10	20	30		KEGVLY	Rattus norvegicus
1	MDVFMKGLSKAKKEGVVAAAEKTKQGVTEAAAEKTT	10	20	30		KEGVLY	Bos taurus
1	MDVFMKGLSKAKKEGVVAAAEKTKQGVAAEAAAGKTT	10	20	30		KEGVLY	Serinus canaria
1	MDVFMKGLSKAKKEGVVAAAEKTKQGVQDAAAEKTKEGVMY	10	20	30		KEGVLY	Torpedo californica
1	MDVLLKKGFSAKKEGVVAAAEKTKQGVQDAAAEKTKEGVMY	10	20	30		KEGVLY	Torpedo californica
40	VGSKTKKEGVVHGGVATVAEKTKEQVTVNNGGAVVTCGVTAVAQKTVEGAGSIA	50	60	70	80		Homo sapiens
40	VGSKTKKEGVVHGGVTTVAEKTKEQVTVNNGGAVVTCGVTAVAQKTVEGAGNIA	50	60	70	80		Rattus norvegicus
40	VGSKTKKEGVVQGVASVAEKTKEQVTVNNGGAVVTCGVTAVAQKTVEGAGNIA	50	60	70	80		Bos taurus
40	VGSRRTKEGVVHGGVTTVAEKTKEQVTVNNGGAVVTCGVTAVAQKTVEGAGNIA	50	60	70	80		Serinus canaria
51	VGTKTKKEGVVQSVNTVTEKTKEQANVVGGA VVAGVNTVASKTVEGVENVA	50	60	70	80		Torpedo californica
90	AATGFFVKKDQLGK-N--EEGAPQ--EGI--LED--MPVDPDNEAYEMPSP	100	110	120			Homo sapiens
90	AATGFFVKKDQMGK-G--EEGYPPQ--EGI--LED--MPVDPSSSEAYEMPSP	100	110	120			Rattus norvegicus
79	AATGLVKKKEEFP-T-DLKPVEEVAQ--EAAEEPLIE--PLMEPEGESYEEQFP	100	110	120			Bos taurus
90	AATGLVKKDQLAKQN--EEGFLLQ--EGM--VNNTGAADVDPDNEAYEMPSP	100	110	120			Serinus canaria
101	AASGVVKKLDEHGR-EIPEEQVAEEGKQTTQEPLVE--ATEATE--	100	110	120			Torpedo californica
130	EEGYQDYEEPEA	140					Homo sapiens
130	EEGYQDYEEPEA						Rattus norvegicus
124	QEEYQDYEEPEA						Bos taurus
133	EEGYQDYEEPEA						Serinus canaria
140	-----ETGK						Torpedo californica

Figure 5



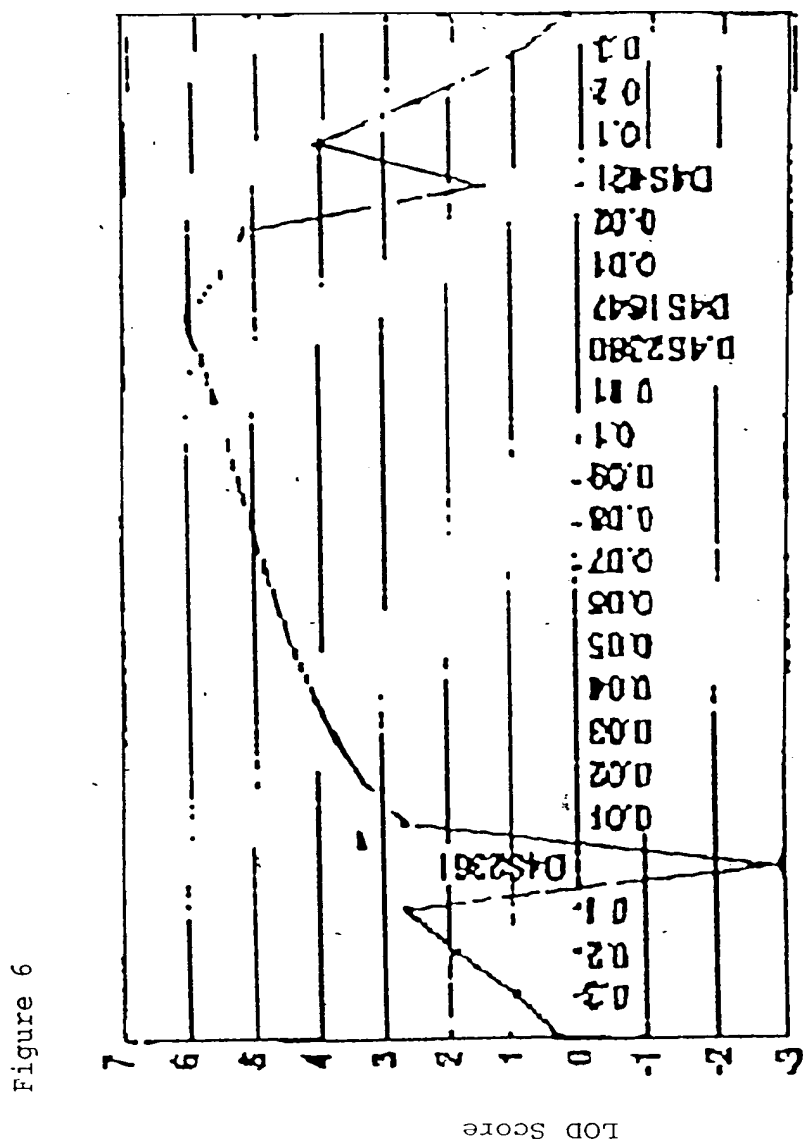


Figure 7

clone	5'	3'	gene
109979	T84229	T88834	alpha
111088	T83410		alpha
111090	T83411	T81593	alpha
130048	R11619	(R19409)	alpha
135534	R31354	R32856	alpha
141246	R66863	R67383	alpha
145594	R78091	R77746	alpha
171906	H19290	H19291	beta
172284	H19556	H19474	beta
172749		H19685	beta
175546		H41126	beta
193174	H47503	H47504	alpha
210768	H66914	H66869	alpha
213616	H70324	H70325	alpha
236027	H62070		alpha
248153	N53829	N73325	alpha
24991	(T80528)	R39000	alpha
26298	R13508	(R20629)	alpha
265817	N28661	N21457	alpha
266628		N22757	alpha
27342		R37173	alpha
280344	(N50305)	N47094	alpha
290894		N72005	alpha
294142		N68597	alpha
307787	W21278		alpha
340635	W56712	W56757	alpha
340683	W55988	W56276	alpha
346647	W94390	W74638	alpha
346796	W79585	W79784	alpha
359349	AA010546	AA010547	alpha
364632	AA022809	AA022690	alpha
39915		R50455	beta
40764	R56327	R56245	alpha
45086	H08908	H08824	alpha
46607	H10267	H10213	alpha
49811	H29080	H28976	alpha
50202		H17962	beta
50470		H16811	beta
66473	R16018	R16119	alpha
667794	AA258686	AA258608	alpha
69907	T48654	T48655	alpha
72391	AA394097	AA293803	gamma
739009	AA421586		beta
739014	(AA42185)	AA421567	beta
771303		AA443638	gamma
2-4		L36675	alpha
2-5		L36674	alpha
c-01f06		F01363	alpha
c-1rb08	F03254	F06981	alpha
c-2td12	F08836	F11169	alpha
c-28f08	F03751	F07521	alpha
cDNA	S69965		beta
EST01420 (HRBAA27)	M79265		gamma
EST19193	AA317129		beta
EST22040	AA319774		alpha

Figure 7 cont.

EST26845	T28079		beta
EST31489	AA328063		alpha
EST68G11	W22518		gamma
F1-625D	R29481		alpha
GEN-129D09	D81090		beta
hbc590	T11070		alpha
HIBBA65	T08213	T08212	alpha
	HR70E3R	HR70E3F	alpha
HSNACP0		U46896-46901	alpha
KK1311	N83633		alpha
		D318839	alpha
		L08850	alpha
	T28735		alpha
	Z20502		alpha

Figure 8

10 20 30 40 50 60 70  
CCGCCGACGCCGCTCCATCCCCAGCCCCGCGCCGCATCCGGTTTGGGAAGGGGGCTGCAAGTTTGCA 70  
AGGGGCCCGGAXAAAAAXCGAGCAGTGGCCCTTCCCGCTCCCGAGGGTTTCAAGGGACGCTAGGAXTX 140  
TCCGCGGCCCTGGAGGTTGCGACTGGGGAGTGGGGTGAGATGGGGGAAAGCGGGAGGGGGCTCAGGGTC 210  
CAGAAGGGGXCXCGCGGTCTCGGGAGTAGGGGGGCATXTCGCTCCCGCGGGAGGGGTGGGGTGAGAGTGC 280  
GGGGCCAGTGACCCGGTGCCCGTGTATCGCCCTCCCCAGCGCCAGGATGGACGTGTTTCATGAAGGGCC 350  
360 370 380 390 400 410 420  
TGTCATGGCCAAGGAGGGCGTTGTGGCAGCCGCGGAGAAAACCAAGCAGGGGGTACCGAGGGCGGCGGA 420  
GAAGACCAAGGAGGGCGTCTCTACGTGCGGTGGGCGXGGGGCGXGGGTTTCTGGGGCTGCAGGGCTGGGGG 490  
TCCCTTACAGTGTGGAGCTGGGGCCGGGTCCCGGGAGGGGGTTCTGGGCAAGATAATATXAXTCAGC 560  
AGATGGGGCXAGGTCAXCAXGGGTCAAGGGACATACCCAXCCCATAGAAXCTGGGTCTGTATCCGGA 630  
AATGGGACACGGGGCGGGTGTATGAGGTGGGGGGTCCAXCTGAAAGGCCAGGGACCAATGCAXTXATA 700  
710 720 730 740 750 760 770  
AAAXCACACAXCCTCTTTTTCTIATCTTTTTTACCATTATTAATAGTTATCTGGTGTGAACACTTTCT 770  
GTATGCCAAGTACTGGGTAAAAATGTCATAACATCCATTTCTCATGTAATGCTTCCGCCATTCTACAGG 840  
TAAGGGAAACTGGGCTTCCCATTTGGTAGXTAAATTTTAGGTTTACAGAAAGGCTTGAATTGAATGTCAGTTC 910  
AGCCAATTTCTTAGTGGTGAACCAAAGTGAAGTCCATCCGTGAAACGGGGACAATAACAGCACCCGCTT 980  
CCCAGGGCTGGGGAAAAGTGAAGTGCAGCGGGGAGGCAGAGGACTTGACACAGCACTGGCCCTCAGCCA 1050  
1060 1070 1080 1090 1100 1110 1120  
ACATCCACTAGAGGGGTGGGGTATCGCATCAGGTGGGAGAGAACTGCAACCTTGCAGACAGAGGTGTGG 1120  
GGCCAGTGCAGTGATAAGACGGGGTTAACATGGGGGTGCAGGTTGTAGGATXGAGGACCAAGGAGG 1190  
CAGTGACGGGGCAGGATGCCACTCTGTAATCACCATGCTGTGCTGGAGTTTCTGTTCCCTCAGCGCAG 1260  
AGTCTTAAATGTGCGCTTTTCTXCCCGCAGGAAGCAAGACCCGAGAAGGTGTGGTACAAGGTGTGG 1330  
CITCAGTACTAGCCAGCCCTGGCACCAGCCCTTCTCTCMTAGCGGATGATCTGGCCGGGAACCA 1400  
1410 1420 1430 1440 1450 1460 1470  
AGGGCGGGGGCGGGGGAGACTCCCAAGGCTTCTGCGGGAATGCTCCGTGGGGAGGGCAGGCCCTGGGATA 1470  
CTACAAGGCAGGGCATCGGTGTTTCCCTCGGCTCCCAACCCCTTCTCAACCCCTCCCTGCTCCAGT 1540  
GGCTGAAAAAACCAAGGAACAGGCCTCACATCTGGGAGGAGCTGTGTTCTTGGGGCAGGGAACATCGCA 1610  
GCAGCCACAGGACTGGTGAAGAGGGAGGAATTCCTACTGATCTGAAGGTAAAGGATCCTTCTGACCCG 1680  
ACATGCAGGCAAAAC 1750  
1760 1770 1780 1790 1800 1810 1820  
CCCCCTAATCTGCCACCAGCTTGGAAACACAAGCCACTTTGCTTCCCATCTGCXGGCCCGTGCTAGAC 1820  
TCAGCTCAGAATGCATCTGAATAAXGGCGTGCATGGGTGTGACGCTCCCGGTGATGGGGACCCAGACCTG 1890  
GCTGTCTGCGTGTATCTGCTTGCAGCGTGACCCATATGACTTCTGGCCACGCTGTCATGTGTCAATGA 1960  
TTGTTCAATTCATTTCTTTTCAACAAATATCCATGCCAXXCCAGCCCTGTCTTGAGCTTCCAGXT 2030  
CCCTTTCAGCCXAGGGGAGCXTGAGGGTTATTTTGGGGTCCCGATGCCAGCACAGAGCCTGACACAA 2100  
2110 2120 2130 2140 2150 2160 2170  
GGATGAGGCATAAGCTGGTGAXTGAGTATCCAAATGGTGAAGTGTGGAGGXTGCCAGGCATTGGGGGAG 2170  
CGGCGTGGAGAGCCAGCTCCCCAATCCATGCTGCCACTTCAACTGTGATTCCGGGGGAATTTCCCTTCA 2240  
CCTCCATCCCACTTCCAAGGCACTCCAAATAAATAACTGAATTAGAAATTATCCTTGTGTTTCCCAACCA 2310  
CCCTAGCCTTCCCACTCCCAACCCACCCAAAGCTTACCCTGTGGGAATTTGGGGGGCATCCTGGCTGTC 2380  
CTCACGAGTCTTGACCTTTTCTGCCACAGCCAGGGAAGTGGCCAGGAAGCTGCTGAAGAACCCTGA 2450  
2460 2470 2480 2490 2500 2510 2520  
TTGAGCCCCTGATGGAGCCAGAAGGGGAGAGTTATGAGGACCCACCCAGGAGGAATATCAGGAGTATGA 2520  
GCCAGAGGGCTAGGGGGCCAGGAGAGCCCCACAGCAGCAATCTGTCCCTGTCCCTGCCCGCCCC 2590  
CCAGAGCCAGGGCTGTCTTAGACTCCTTCTCCCAATCAGGAGATCTTCTTCCGCTCTGAGGCAACCC 2660  
CCTCGGAGCCTGTGTTAGTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCT 2730  
CAGGGCCAGGGTTGCGGTGCGGGCTGGGAGCCTCGCCCTCCAGTGTGCTTCTCCATCCAGCGTCTG 2800  
2810 2820 2830 2840 2850 2860 2870  
CGCG 2804



Figure 9

10 20 30 40  
 AGGGAGATCCAGCTCCGTCCTGCCTGCAGCAGCACAAACC 40  
 TGCACACCCACCATGGATGTCTTCAAGAAGGGCTTCTCCA 80  
 TCGCCAAGGAGGGXGTGGTGGGTGCGGTGGAAAAGACCAA 120  
 GCAGGGGGTGACGGAAGCAGCTGAGAAGACCAAGGAGGGG 160  
 GTCATGTATGTGGGATTACATTTTTTTTTTAAAGAAAGAA 200  
 210 220 230 240  
 TAAATTAATTGTGATTAAAGTTG 223

Figure 10

10 20 30 40  
 TTTTTXAGGGGGGAAAACAGGGAATAXAAAAAXAXGGGG 40  
 GGGGGTTTTTXXGGGGGGGGGGGAAAAXGGTTXGGGGGX 80  
 XAACCXAAAXAAAXCCXAXGGGGGGGGXXAXTXAAXTTT 120  
 TGGGAACCCAAAGCCCXAGGAGGATTTTTXGTXAAXAACG 160  
 TXACCTCXAGTGGGXCGAGGAAGACCAAGGAAAXGCCCAA 200  
 210 220 230 240  
 CXCGGTTGAXCGAGGCTGTGGTGAACAXCGTXCAACXCTG 240  
 TGCCCXCCAAXAXCGTGGAGGXGGCGGAGAACATCSCGGT 280  
 CACCTCCGGGGTGGTGCRCMAGGAGGACTTGAGGCCATCT 320  
 KCCCCCMACAGGAGGGTGTGGCATCCMAAGARAAAGAGG 360  
 AAGTGGCAGAGGAGGCCCAGAGTGGGGGARACTAGAGGGC 400  
 410 420 430 440  
 TACAGGCCAGCGTGATGACCTGAAGAGCGCTCCTCTGCC 440  
 TTGGACACCATCCCCTCCTAGCACAAGGAGTGCCCGCCTT 480  
 GAGTGACATGCGGCTGCCACGCTCCTGCCCTCGTCTTCC 520  
 TGGCCACCCTTGGCCTGTCCACCTGTGCTGCTGCACCAAC 560  
 CTCACTGCCCTCCCTCGGCCCCACCCACCCTCTGGTCCTT 600  
 610 620 630 640  
 CTGACCCCACTTATGCTGCTGTGAATTTTTTTTTTAAATG 640  
 ATTCCAAATAAACTTGAGCCCACTCCAAAAAATAA 677

Figure 11

alpha-SYN exons 1-2

10 20 30 40  
AATTTAGCGATGCGAGGGCAAAGCGCTCTCGGCGGTGCG 40  
GTGTAGCCACCTCCCGGCGCTGCCTGTCTCCTCCAGCAG 80  
CTCCCCAAGGGATAGGCTCTGCCCTTGGTGGTCGACCCTC 120  
AGGCCCTCGNTCTCCCAGGNCGACTCTGACGAGGGGTAGG 160  
GGGTGGTCCCNNGGAGGACCCAGAGGAAAGGCNNGGACAA 200

210 220 230 240  
GAAGGGAGGGGAAGGGGAAAGAGGAAGAGGCATCATCCCT 240  
AGCCCAACCGCTCCCGATCTCCACAAGAGTGCTCGTGACC 280  
CTAAACTTAACGTGAGGCGCAAAAGCGCCCCAACCTTTTC 320  
CCGCCTTGNNCCAGGCAGGCGGCTGGAGTTGATGGCTCAC 360  
CCCGCGCCCCCTGCCCATCCCCATCCGAGATAGGGACGA 400

410 420 430 440  
GGAGCACGCTGCAGGGAAAGCAGCGAGCGCCGGGAGAGGG 440  
GCGGGCAGAAGCGCTGACAAATCAGCGGTGGGGGCGGAGA 480  
GCCGAGGAGAAGGAGAAGGAGGAGGACTAGGAGGAGGAGG 520  
ACGGCGACGACCAGAAGGGGGCCCAAGAGAGGGGGGCGAGCG 560  
ACCGAGCGCCGCGACGCGAAGTGAGGTGCGTGCGGGCTCA 600

610 620 630 640  
GCGCAGACCCCGGCCCGGCCCTCCTGAGAGCGTCCTGGG 640  
CGCTCCCTCACGCCTTGCTTCAAGCCTTCTGCCTTTCCA 680  
CCCTCGTGAGCGGAGAACTGGGAGTGGCCATTTCGACGACA 720  
GGTTAGCGGGTTTGCTTCCCACTCCCCCAGCCTCGCGTCG 760  
CCGGCTCACAGCGGCCTCCTCTGGGGACAGTCCCCCCCCGG 800

810 820 830 840  
GTGCCCCCTCCGCCCTTCTGTGCGCTCCTTTTCTTCTTC 840  
TTTCCTATTAAATATTATTTGGGAATTGTTTAAATTTTTT 880  
TTTTAAAAAAGAGAGAGGCGNGGAGGAGTCGGAGTTGTG 920  
GAGAAGCAGAGGGACTCAGGTAAGTACCTGTGGATCTAAA 960  
CGGNGTCTTTGGAAATCCTGGAGAACGCCGGATGGAGAC 1000

1010 1020 1030 1040  
GAATGGTCGTGGGNACCGGGAGGGGGTGGTGCTGCCATGA 1040  
GGACCGCTGGGCCAGGTCTCTGGGAGGTGAGTACTTGTCC 1080  
TTTGGGGAGCCTAAGGAAAGAGACTTGACCTGGCTTTTCGT 1120  
CCTGCTTCTGATATTCCTTCTCCACAAGGGCTGAGAGNT 1160  
TAGGCTGCTTCTCCGGGATCC 1181

Figure 11 cont.

## alpha-SYN exon 3

10 20 30 40  
CTTAAAAGAGTCTCACACTTTGGAGGGTTTCTCATGATTT 40  
TTCAGTGTTTTTGTATTTTTCCCGAAAGTTCTCATT 80  
CAAAGTGATTTTTATGTTTTCCAGTGTTGGTGTAAGAAAT 120  
TCATTAGCCATGGATGTATTCATGAAAGGACTTTCAAAGG 160  
CCAAGGAGGGAGTTGTGGCTGCTGCTGAGAAAACCAAACA 200  
210 220 230 240  
GGGTGTGGCAGAAGCAGCAGGAAAGACAAAAGAGGGTGTT 240  
CTCTATGTAGGTAGGTAAACCCCAAATGTCAGTTTGGTGC 280  
TTGTTTCATGAGTGATGGGTTAGGATAACAATACTCTAAAT 320  
GCTGGTAGTTCTCTCTCTTGATTCAATTTTGCATCATTGC 360  
TTGTCAAAAAGGTGGACTGAGTCAGAGGTATGTGTAGGTA 400  
410 420 430 440  
GGTGAATGTGAACGTGTGTATNTGAGCTAATAGTAAAAAT 440  
GCGACTGTTTGCTTTTCAGATTTTTAATTTTGCCTAATAT 480  
NTATGACTTNTTAAAATGAATGTTTCTGTACTACATAATT 520  
CTATNTCAGAGACAGT 536

Figure 11 cont.

## alpha-SYN exon 4

10 20 30 40  
CTGCAGGTCAACGGATCTGTCCTAGTGCTGTACTTTTAA 40  
AGCTTCTACAGTTCTGAATTCAAATTATCTTCTCACTGG 80  
GCCCCGGTGTATCTCATTCTTTTTTCTCCTCTGTAAGTT 120  
GACATGTGATGTGGGAACAAAGGGGATAAAGTCATTATTT 160  
TGTGCTAAAATCGTAATTGGAGAGGACCTCCTGTTAGCTG 200  
210 220 230 240  
GGCTTTCTTCTATNTATTGTGGTGGTTAGGAGTTCCTTCT 240  
TCTAGTTTTAGGATATATATATATATTTTTTCTTTCCCT 280  
GAAGATATAATAATATATATACTTCTGAAGATTGAGATTT 320  
TTAAATTAGTTGTATTGAAAAGTAGCTAATCAGCAATTTA 360  
AGGCTAGCTTGAGACTTATGTCTTGAATTTGTTTTTGTAG 400  
410 420 430 440  
GCTCCAAAACCAAGGAGGGAGTGGTGCATGGTGTGGCAAC 440  
AGGTAAGCTCCATTGTGCTTATATCAAAGATGATATNTAA 480  
AGTATCTAGTGATTAGTGTGGCCAGTATCAAGATTCCTA 520  
TGAAATTGTAAAACAATCACTGAGCATCTAAGAACATATC 560  
AGTCTTATTGAAACTGAATTCCTTATAAAGTATTTTTTAA 600  
610 620 630 640  
TAGGTAAATATTGATTATAAATAAAAAATATACTTGCCAA 640  
GAATAATGAG 650

Figure 11 cont.

alpha-SYN exon 5

10 20 30 40  
ATATCTTAGCCAAGATTCAATGTTTGGTTGAACCACACTC 40  
ACTTGACATCTTGGTGGCTTTTGTCTTCTGACCACTCA 80  
GTTATCTATGGCATGTGTAGATACAGGTGTATGGAANCGA 120  
TGGCTAGTGGAAGTGGAATGATTTTAAGTCACTGTTATTC 160  
TACCACCCTTTAATCTGTTGTTGCTCTTTATTTGTACCAG 200

210 220 230 240  
TGGCTGAGAAGACCAAAGAGCAAGTGACAAATGTTGGAGG 240  
AGCAGTGGTGACGGGTGTGACAGCAGTAGCCCAGAAGACA 280  
GTGGAGGGAGCAGGGAGCATTGCAGCAGCCACTGGCTTTG 320  
TCAAAAAGGACCAGTTGGGCAAGGTATGGCTGTGTACGTT 360  
TTGTGTTACATTTATAAGCTGGTGAGATTACGGTTCATTT 400

410 420 430 440  
TCATGTGAAGCCTGGAGGCAGGAGCAAGATACTTACTGTG 440  
GGGAACGGCTACCTGACCCTCCCCTTGTGAAAAAGTGCTA 480  
CCTTTATATTGGTCTTGCTTGTTT 504

Figure 11 cont.

alpha-SYN exon 6

10 20 30 40  
AAAAGTTTACATACTTTGAGGTTGATAACCCATGTTGCCG 40  
CAATGTTTCCCCGGAGGCATTGTGGAGTTTAGAATGCCAG 80  
TAGTAATATTAAGGTGTGCCATTTTCAAGATCCGTGGCCA 120  
ACATCCCTATATGTAAGATTTTCCAAAACATGGTTCTGA 160  
TTTTTAAAGTGAAAAATGCTACTTCATCATGTTCTTTTT 200

210 220 230 240  
GTGCTTCTTACTTTAAATATTAGAATGAAGAAGGAGCCCC 240  
ACAGGAAGGAATTCTGGAAGATATGCCTGTGGATCCTGAC 280  
AATGAGGCTTATGAAATGCCTTCTGAGGTAGGAGTCCAAG 320  
CTGAATCTTTCTAACAAGACAGTACCAAAAACCTGTCATT 360  
GTCACATTTCTCTTTTCATTAGTGCTTAGTGAGAATCATT 400

410 420 430 440  
GCTCTCTACATGCTCATTACGTGGACAACCTTGCAAGTTAA 440  
GAATAGTTTTTACATTTTTTAAAGGGTCCTTAAAAAAAAG 480  
AGGAGGAGGAAGATGAAGAAGAGGAAGAAAGGATGTAAAA 520  
GAAATCATATGTAGTCCACATAGCTTAATATACNTACTAC 560  
TTGACCCTTTACAGGAAAAGCTTTACTAACCCCTGCATTA 600

610 620 630 640  
GAGAATATATTTTTTTTGCAAAAACATTGATTGTAAATTTT 640  
AGTGTAAGTGGGGAGCCATTTCTATCTCATTGGCTGTC 680  
CAGTGCTGATGCGTAATTGAACTTATACTAACAGTGTGT 720  
GCTGTCT 727

Figure 11 cont.

## alpha-SYN exon 7

```

      10      20      30      40
      |      |      |      |
TTTTGATTTTCTAATATTAGGAAGGGTATCAAGACTACG 40
AACCTGAAGCCTAAGAAATATCTTTGCTCCCAGTTTCTTG 80
AGATCTGCTGACAGATGTTCCATCCTGTACAAGTGCTCAG 120
TTCCAATGTGCCCAGTCATGACATTTCTCAAAGTTTTTAC 160
AGTGTATCTCGAAGTCTTCCATCAGCAGTGATTGAAGCAT 200

      210      220      230      240
      |      |      |      |
CTGTACCTGCCCCACTCAGCATTTTCGGTGCTTCCCTTTC 240
ACTGAAGTGAATACATGGTAGCAGGGTCTTTGTGTGCTGT 280
GGATTTTGTGGCTTCAATCTACGATGTTAAACAAATTAA 320
AAACACCTAAGTGACTACCACTTATTTCTAAATCCTCACT 360
ATTTTTTTGTTGCTGTTGTTTCAGAAGTTGTTAGTGATTTG 400

      410      420      430      440
      |      |      |      |
CTATCATATATTATNAGATTTTTAGGTGTCTTTTAATGAT 440
ACTGTCTAAGAATAATGACGTATTGTGAAATTTGTAAATA 480
TATATNATACTTAAAAATATGTGAGCATGAAACTATGCAC 520
CTATAATACTAAATATGAAATTTTACCATTTTGCATGTG 560
TTTTATTCACTTGTGTTTGTATATNAATGGTGAGAATTAA 600

      610      620      630      640
      |      |      |      |
AATAAACGTTATCTCATTGCAAAAATATTTTATTTTAT 640
CCCATCTCACTTTAATAATAAAAAATCATGCTTATAAGCAA 680
CATGAATTAAGAACTGACACAAAGGACAAAAATATAAAGT 720
TATTAATAGCCATTTGAAGAAGGAGGAATTTTAGAAGAGG 760
TAGAGAAAATGGAACATTAACCCTACACTCGGAATTCCT 800

      810      820      830      840
      |      |      |      |
GAAGCAACACTGCCAGAAGTGTGTTTTGGTATGCACTGGT 840
TCCTTAAGTGGCTGTGATTAATTATTGAAAGTGGGGTGTT 880
GAAGACCCCAACTACTATTGTAGAGTGGTCTATTTCTCCC 920
TTCAATCCTGTCAATGTTTGCTTTACGTATTTTGGGGAAC 960
TGTTGTTTGATGTGTATGTGTTTATAATTGTTATACATTT 1000

      1010      1020      1030      1040
      |      |      |      |
TTAATTGAGCCTTTTATTAACATATATTGTTATTTTGTG 1040
TCGAAATAATTTTTTAGTTAAAATCTATTTTGTCTGATAT 1080
TGGTGTGAATGCTGTACCTTTCTGACAATAAATAATATNC 1120
GACCATGAATAAAAAAAAAAAAAAAGTGGGTTCCTGGGAA 1160
CTAAGCAGTGTAAGAAGATGATTTTGACTACCCCTCCTTA 1200

```

Figure 11 cont.

## alpha-SYN exon 7

1210 1220 1230 1240  
GAGAGCCATAAGACACATTAGCACATATTAGCACATTCAA 1240  
GGCTCTGAGAGAATGTGGTTAACTTTGTTTAACTCAGCAT 1280  
TCCTCACTTTTTTTTTTTAATCATCAGAAATTCTCTCTCT 1320  
CTCTCTCTTTTTCTCTCGCTCTCTTTTTTTTTTTTTTTTT 1360  
TTTTACAGGAAATGCCTTTAAACATCGTTGGGAACCTACCA 1400  
1410 1420 1430 1440  
GAGTCACCTTAAAGGGGAGNATCAATTCTCTAGGACTGGAT 1440  
AAAAATTTTCATGGGCCTCCTTTAAATGTTGCCCAAATAT 1480  
ATGGAATTCTAGGGGTTTTTCCNTAGGGGGAAGGGTTITT 1520  
TCTCTTTTTCNGGGGAGGATCCTTTTAACNCCCNGGGGGG 1560  
NGCCCGGAAAATAAACTTGGNGGGGGGGNAAAACCTT 1596